

## APPENDIX IX

### Macro to send Client Hello

SendHello(L) (\* routine to send a client hello on a link L \*)

With LinkArray[L] do

Send a ClientHello H on link L with

ClientId = ClientId

H.ConnectId = LinkArray[L].ConnectId

H.PhaseIVAddress = Phase IV address of Client (\* set all 0's if no PhaseIV address \*)

H.ClientAddresses = Sequence of 48 bit addresses enabled on this link

H.State = State

H.Vlans = SEQUENCE of SmallVlanRecord SVR for each VlanRecord VR

VlanList such that VR.AssignedLink = L and VR.State = ON.

For each such SVR, set SVR.Type = VR.Type and SVR.VlanId = VR.VlanId

### Client Transport Protocol Actions

RESET(L) (\* called whenever client powers up or resets link L \*)

LinkArray[L].State = REQ;

CONNECT\_TIMER\_EXPIRY(L) (\* called when connect timer expires on link L \*)

LinkArray[L].State = REQ;

RECEIVE(Hello, L) (\* called when a server hello is received on link L \*)

With LinkArray[L] DO

If (Hello.State = REQ) and (State = REQ) then InitializeConnection(L);

If (State = ON) and (OldHello(Hello,L) - false) then State = REQ;

If (State = ON) and (OldHello(Hello,L) = true)) then

StartConnectTimer(ClientConnectTimerValue);

ServerId= Hello.ServerId

ConnectId= Hello.ConnectId

Vlans = Hello.Vlans

ClientAddresses = Hello.ClientAddresses

UpdateServerStatus;

UpdateVlanStatus;

SendHello(L)